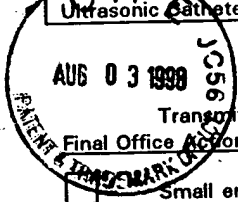


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1-25

TRANSMITTAL LETTER			Case No. 5050/167
Serial No. 08/807,621	Filing Date Feb. 27, 1997	Examiner Patel, M.	Group Art Unit 3305
Inventor(s) John W. Eaton et al.			
Title of Invention Ultrasonic Catheter, System and Method for Two-Dimensional Imaging or Three-Dimensional Reconstruction			



TO THE ASSISTANT COMMISSIONER FOR PATENTS

Transmitted herewith is Supplemental Information Disclosure Statement After a First Office Action but Before a Final Office Action on the Merits, PTO 1449 Form and 38 references.

☐ Small entity status of this application under 37 CFR § 1.27 has been established by verified statement previously submitted.

☐ A verified statement to establish small entity status under 37 CFR §§ 1.9 and 1.27 is enclosed.

☐ Petition for a _____ month extension of time.

☐ No additional fee is required.

☐ The fee has been calculated as shown below:

	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra
Total		Minus		
Indep.		Minus		
First Presentation of Multiple Dep. Claim				

Small Entity	
Rate	Add'l Fee
x \$11 =	
x \$40 =	
+ \$130 =	
total add'l fee	\$

Other Than Small Entity	
Rate	Add'l Fee
x \$22 =	
x \$80 =	
+ \$260 =	
total add'l fee	\$

☐ Please charge Deposit Account No. 23-1925 (BRINKS HOFER GILSON & LIONE) in the amount of \$_____. A duplicate copy of this sheet is enclosed.

☐ A check in the amount of \$_____ to cover the filing fee is enclosed.

☒ The Assistant Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this communication or credit any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.

☒ I hereby petition under 37 CFR § 1.136(a) for any extension of time required to ensure that this paper is timely filed. Please charge any associated fees which have not otherwise been paid to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.

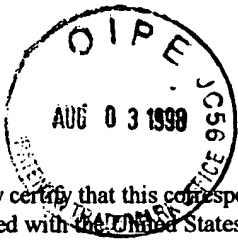
Respectfully submitted,

Natalie D. Kadievitch
Registration No. 34,196
Attorney for Applicant

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on July 29, 1998.

Date: 7/29/98 Signature:



I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner of Patents, Washington, D.C. 20231 on July 29, 1998.

Natalie D. Kadievitch, Reg. No. 34,196

Name of Applicant, Assignee or
Registered Representative

Natalie D. Kadievitch

Signature

July 29, 1998

Date of Signature

PATENT
Case No. 5050/167

In re Application of:)

John W. Eaton et al.)

Serial No.: 08/807.621)

Examiner: Patel, M.

Filed: February 27, 1997)

Group Art Unit: 3305

For: ULTRASONIC CATHETER, SYSTEM)
AND METHOD FOR THREE-)
DIMENSIONAL RECONSTRUCTION)

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
AFTER MAILING DATE OF A FIRST OFFICE ACTION ON THE MERITS

Assistant Commissioner of Patents
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. § 1.56 and 1.97-1.98, Applicants bring the following references to the attention of the Patent and Trademark Office. Copies of these references are enclosed herewith along with the form PTO-1449.

I. U.S. Patent Nos.:

U.S. Patent No.	Issue Date.	Inventor
4,140,022	02/20/79	Maslak
Re. 30,397	09/09/80	King
4,241,608	12/30/80	Dees et al.
4,635,293	01/06/87	Watanabe
4,937,775	06/26/90	Engeler et al.
5,014,710	05/14/91	Maslak et al.
5,103,129	04/07/92	Slayton et al.
5,127,409	07/07/92	Daigle
5,159,931	11/03/92	Pini
5,186,176	02/16/93	Hiki et al.
5,315,512	05/24/94	Roth
5,327,895	07/12/94	Hashimoto et al.
5,353,354	10/04/94	Keller et al.
5,398,691	03/21/95	Martin et al.
5,469,851	11/28/95	Lipschutz
5,487,388	01/30/96	Rello et al.
5,492,125	02/20/96	Kim et al.
5,503,153	04/02/96	Liu et al.
5,517,537	05/14/96	Greene et al.
5,529,070	06/25/96	Augustine et al.
5,566,674	10/22/96	Weng
5,570,691	11/05/96	Wright et al.
5,575,286	11/19/96	Weng et al.
5,582,173	12/10/96	Li
5,608,849	03/04/97	King, Jr.
5,776,067	07/07/98	Kamada et al.

II. Other References:

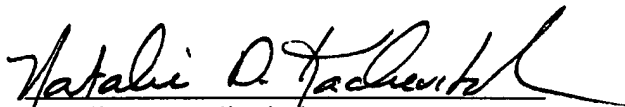
1. Shaulov et al., "Biplane Phased Array for Ultrasonic Medical Imaging," (1988), pp. 635-638.
2. Laurence N. Bohs et al., "A Novel Method For Angle Independent Ultrasonic Imaging of Blood Flow and Tissue Motion," (1991), pp. 280-286.
3. Timothy C. Hodges et al., "Ultrasonic Three-Dimensional Reconstruction: *In Vitro* and *In Vivo* Volume and Area Measurement," (1994), pp. 719-729.
4. Hugh A. McCann et al., "Multidimensional Ultrasonic Imaging for Cardiology," (1988), pp. 1063-1072.
5. Elizabeth O. Ofili et al., "Three-Dimensional and Four-Dimensional Echocardiography," (1994), pp. 669-675.
6. J. Souquet et al., "Transesophageal Phased Array for Imaging the Heart," (1982), pp. 707-712.
7. *LSI Logic, Appendix 2, "L64720 Video Motion Estimation Processor (MEP),"* 1 page.
8. *ISO/IEC Standard (MPEG Video), "Introduction – Part 2: Video,"* (1991) pp. 5-9.
9. Shinichi Tamura et al., "Three-Dimensional Reconstruction of Echocardiograms Based on Orthogonal Sections," (1985) pp.115-124.
10. Frederick Doherty, M.D. et al., "SONOLINE® Elegra Ultrasound Imaging Platform and Extended Field of View XFOV™ Imaging," (1995). 4 pages.
11. M. Belohlavek et al., "Multidimensional Ultrasonic Visualization in Cardiology," (1992) 1137-1145.
12. Dan Sapoznikov et al., "Left Ventricular Shape, Wall Thickness and Function Based on Three-Dimensional," pp. 195, 496-498.

The filing of this Information Disclosure Statement does not constitute an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. Section 1.56(b). Further, Applicants reserve the right to contest that

this reference is prior art against the present application, and Applicants do not believe that the disclosure of this reference, even if finally determined to be prior art, anticipates Applicants' invention or that this reference, alone or in combination with other cited references, make Applicants' invention obvious.

Respectfully submitted,

Dated: July 29, 1998


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